

Abstract

A rolling bearing 10 comprises races 11, 12 having a raceway 15, 16 and rolling elements 13 having a rolling contact surface, wherein at least the raceway 15, 16 of the races 11, 12 has a machined surface, and a surface layer 11a, 12a is formed on the machined surface by electrochemically or chemically dissolving the machined surface, whereby contamination is substantially reduced.